

**Abstract**

8. The method of claim 7, wherein the catalog playback information further includes a file identifier and an auto presentation information table determining a location of the catalog information to be played back corresponding to a predetermined time in accordance with real-time playback information of audio obtained from the audio data during real-time playing back.

9. The method of claim 8, wherein the reading of the catalog information from the buffer comprises reading the common catalog information according to a predetermined sequence stored in the auto presentation information table.

10. The method of claim 1, wherein the catalog information includes a still picture for a background image, a sub-picture for a caption, and navigation information for controlling the still picture and the sub-picture, wherein the reading and decoding of the catalog information from the buffer comprises reading the still picture and the sub-picture, using the navigation information.

11. The method of claim 10, wherein the storage medium comprises catalog playback information including information on a location of an image information region on the storage medium in which the still picture, sub-picture and navigation information are recorded.

12. The method of claim 11, wherein the catalog playback information further includes a file identifier and an auto presentation information table determining a location of the catalog information to be played back corresponding to a predetermined time in accordance with real-time playback information of audio obtained from the audio data during real-time playing back.

13. The method of claim 12, wherein the reading of the still picture and the sub-picture comprises reading the still picture and the sub-picture according to a predetermined sequence stored in the auto presentation information table.

14. The method of claim 10, wherein the reading of the still picture and the sub-picture comprises:

receiving a selection of a user; and

reading the still picture and the sub-picture according to the selection of the user.

15. The method of claim 14, wherein the reading of the still picture and the sub-picture comprises:

preferentially reading the still picture and the sub-picture selected by the user; and  
reading the still picture and the sub-picture satisfying a predetermined condition.

16. The method of claim 15, wherein the predetermined condition is a case of the user not selecting making the selection of the still picture and the sub-picture for a predetermined amount of time or setting a catalog auto presentation mode.

17. The method of claim 1, further comprising:

reading catalog playback information connecting the audio data and the catalog information while reading the audio data;

wherein the reading and decoding of the catalog information from the buffer is based upon the read catalog playback information.

18. The method of claim 17, wherein the catalog playback information comprises an auto presentation information table determining the catalog information to be played back corresponding to a predetermined time in accordance with the catalog playback information obtained from the audio data; and

the reading of the audio data from the storage medium and the catalog information from the buffer are in accordance with the auto presentation information table.

19. The method of claim 18, wherein the catalog playback information comprises a file identifier and the auto presentation information table determines a location of the catalog information to be played back corresponding to a predetermined time in accordance with real-time playback information of audio obtained from the audio data during real-time playing back.

20. The method of claim 19, wherein the reading of the catalog information comprises reading the catalog information according to a predetermined sequence stored in the auto presentation information table.

21. A method of playing back encoded audio data recorded on a storage medium, the method comprising:

reading encoded catalog information related to the encoded audio data from the storage medium to a buffer; and

reading and decoding the encoded audio data from the storage medium while reading and decoding the encoded catalog information from the buffer.